INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/33530

		10170304			
A. CLA IPC(7)	SSIFICATION OF SUBJECT MATTER A61K 31/535, 31/40				
US CL : 514/236.2, 411					
_	International Patent Classification (IPC) or b both na	tional classification and IPC			
·- · · · · · · · · · · · · · · · · · ·	DS SEARCHED				
	ocumentation searched (classification system followed 14/236 2, 411	by classification symbols)			
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Documentati	ion searched other than minimum documentation to the	e extent that such documents are inc	cluded m the fields searched		
	ata base consulted during the international search (nan Continuation Sheet	ne of data base and, where practicab	ole, search terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No		
A	Database MEDLINE m STN (Columbus, OH, USA) 'Baseline predictors of tolerability to carvedilol in particular described by December 2000, vol. 84, no 6, pages 615-9, abstraction	atients with chronic heart failure,' H			
Y	Database CAPLUS in STN (Columbus, OH, USA) DN 131:252307, NAGARAJA S et al, Treatment with inverse agonists enhances baseline atrial contractility in transgenic mice with chronic beta2-adrenoceptor activation, Br J Pharmacol, 1999, vol.127, no.5, pages 1099-1104, abstract.		ce		
Α	Database MEDLINE in STN (Columbus, OH, USA) AN 84081647, MARKOWITZ S et al, "Timolol: a 4-year follow-up study, Can J Ophthalmol, 18 October 1983, vol, 18, no. 6, pages 278-80, abstract				
A	Database MEDLINE (Columbus, OH, USA), AN 20 'Consitutive activity of G-protein-coupled receptors: of wild-type receptors,' Naunyn-Schmiedeberg's arch vol. 366, no. 5, pages 381-416, abstract.	cause of disease and common prope			
Further	documents are listed in the continuation of Box C.	See patent family annex	x.		
* Special categanes of cited documents "A" document definingthe general state of the art which is not considered to be of particular relevance			r the international filing date or priority date plication but cited to understand the the invention		
"E" earlier ap	oplication or patent published on or after the international filing date		nce, the claimed invention cannot be considered to involve an inventive step lone		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious			
"P" document referring to an oral disclosure, use, exhibition or other means "P" document published pnor to the international filing date but later than the		to a person skilled in the art "&." document member of the same			
priority date claimed					
Date of the actual completion of the international search 28 September 2005 (28.09.2005)		Date of mailing of the international searciLreport 0 4 NUV ZUU5			
	ailing address of the ISA/US	Authorized officer			
Mail Com	StopPCT, Attn ISA/US missioner of Patents		ue ford		
Alex	Box 1450 xandria, Virginia 22313-1450 c (703) 305-3230	Rebecca Cook Telephone No. 703-308-1235	101		
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Categoiy *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	Database BIOTECHDS in STN (Columbus, OH, USA) AN 2003-03745, OAKLEY R et al, 'Modified B-protein coupled receptor useful for identifying an agonist, inverse agonist or antagonist of the receptor, comprises a carboxyl terminal having one or more clusters of phosphorylation, vector-mediated gene transfer and expression in host cell for recombinant protein production, drug screening and gene therapy,' US 2002106739, 05 November 2001, abstract.	42-54
A	Database CAPLUS in STN (Columbus, OH, USA) DN138:84549, MARTINEZ R et al, 'Protein and cDNA sequences of human olfactory G protein-copied receptors, their diagnostic and therapeutic uses thereof,' WO 2003000735, 03 January 2003, abstract.	1-67
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INTERNATIONAL SEARCH REPORT

International application No.

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)		
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:		
Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:		
Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box π Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)		
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet .		
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1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.		
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.		
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:		
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.		
F		

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BOX π . OBSERVATIONS WHERE UNITY OF INVENTION IS LAC	KING			
Group I, claim(s) 1-41, 55-67, drawn to a method of use, holders and compositions.				
Group H, claim(s) 42-51, drawn to a first method of screening in which the basal level of activity of the compound that is screened is				
measured.	•			
Group III, claim(s) 52-54, drawn to a second method of screening in which receptor	population or receptor density of the compound that			
is screened is measured.				
The inventions listed as Groups I-HI do not relate to a single general inventive conc				
13.2, they lack the same or corresponding special technical features for the followin				
while Groups II and III are drawn to methods of detecting activity of compounds. Fi	urthermore, the screening method of Group II does not			
require the elements of the screening method of Group HI.				
Continuation of B. FIELDS SEARCHED Item 3:				
REGISTRY, CAPLUS, MEDLINE, DRUGU, BIOSIS, IPA, TOXCENTER, EMBAS	SE, JICST-EPLUS, PASCAL, BIOTECHNO,			
ESBIOBASE, CONFSCI, BIOTECHDS, DISSABS, TOXCENTER, WPIDS, SCISE				
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